Cruza ™ Electric Scooters

Power Scooters

XR500 Electric Scooter

Owner's Manual

Revised 18/04/12

PLEASE BE SAFE WHEN RIDING

ALWAYS WEAR A HELMET AND OBEY ALL LAWS!

IMPORTANT

BATTERY MAINTENANCE and CHARGING INSTRUCTIONS

1. You MUST **charge** completely prior to initial use. (Follow Charging instructions in your Product
2. Handbook) Charge immediately after each use.
3. Charge before storage. You must charge every 30 days if not In use.
4. Charge the unit for 8-12 hours As a first charge
5. **DO NOT** allow the scooter to run completely flat.
6. Turn the unit **OFF** when not in use.
7. **DO NOT** attempt to ride your scooter if the batteries are flat – this will cause an overload in the controller.

Failure to follow these INSTRUCTIONS will VOID YOUR WARRANTY!

This PRODUCT IS NOT INTENDED FOR EXTREME or OFF-ROAD use! Please take care of your XR500!

DO NOT JUMP or ABUSE the XR500!

DO NOT RIDE IN WET/ICY CONDITIONS!

Failure to follow these instructions will **VOID YOUR WARRANTY!**

General Scooter Do's and Don'ts:

Don't:

- Leave your scooter with a flat battery for long periods of time.
- Push-ride your scooter while it is switched on.
- Ride your scooter when the battery is flat.
- Expose your scooter and it's components to water.
- Ride your scooter if its tires are flat.
- Ride your scooter on any public roads.

Do:

- Keep your scooter clean, and moving parts lubricated.
- Leave your scooter off in a safe place away from small children.
- Keep the battery fully charged – you can't over-charge the batteries.
- Always ride with a helmet.
- Ride in spacious areas away from obstacles or water.
- Have fun while riding your scooter!

IMPORTANT

PLEASE READ THIS BEFORE USING The XR500

READ THIS FIRST!

WARNING

The XR500 does not conform to South African Motor Vehicle Standards and is not intended for operation on public streets, roads or highways. Serious injury can result from the unsafe operations of the XR500 scooter. The operator can minimize these risks by using certain safety equipment such as: safety helmet, goggles, gloves, elbow and kneepads and appropriate footwear.

DO NOT operate the XR500 in traffic, on wet, frozen, oily or unpaved surfaces or under the influence of drugs and/or alcohol. Avoid uneven surfaces, potholes, surface cracks and obstacles.

DO NOT use a water hose to clean the XR500.

This product is recommended for riders 16 YEARS OF AGE and older.

SAFETY

- Persons without excellent vision, balance, coordination, reflex, muscle and bone strength and good decision-making capabilities should not use this product.
- Minors without adult supervision should not use this product.
- Persons unwilling or unable to take responsibility for their own actions should not use this product.
- The user of the XR500 assumes ALL risks associated with its use. To minimize these RISKS, the user must wear safety helmet, goggles, gloves, elbow and kneepads and appropriate footwear.
- This product is ELECTRIC! DO NOT ride this product in wet conditions, puddles or rainy weather.

SAFETY GUIDE

- The recommended age for riding this scooter is 16 years old.
- To avoid damage to the motor and controller, do not overload the scooter.
- Never ride with more than one person.
- Inspect your scooter thoroughly before each use for loose or missing parts.
- Avoid unintentional starts by turning the scooter off while not in use.
- To avoid the risk of a short circuit in the electrical parts, do not use your Cruza Electric scooter in the rain and never spray or wash off your scooter with water.
- Do not place the battery near fire or heat.
- To avoid damage to the battery, do not use the charger if it has been damaged in any way.
- Keep hands, face, feet and hair away from all moving parts.
- Do not touch the motor or wheels while they are rotating.
- Brakes are designed to control speed as well as stop the scooter. Practice braking for proper slowing down and smooth stops.
- Maintain your Cruza XR500 as recommended in this Product Handbook.
- Use only quality replacement parts as recommended by the manufacturer.
- Inspect the entire scooter prior to each use. Replace any part that is cracked, chipped or damaged before use.

***NEVER ALLOW CHILDREN TO OPERATE THE SCOOTER WITHOUT ADULT SUPERVISION.**

***NEVER ATTEMPT TO OPERATE THE SCOOTER WHILE UNDER THE INFLUENCE OF ALCOHOL.**

If a situation arises that is not covered in the manual, proceed with caution and use good judgment.

Contact your dealer or Cruza (www.sascootershop.co.za) if you need further assistance

TABLE OF CONTENTS

IMPORTANT INFORMATION……..2

QUICK REFERENCE……4

TABLE OF CONTENTS……5

GETTING TO KNOW YOUR CRUZA XR500...……..6

PACKAGE CONTENTS……7

GETTING STARTED……..7

- ASSEMBLY……...7
- FUSE INSTALLATION…….8
- SEAT & SEAT POST INSTALLATION……...8
- CHARGING……...8
- RIDING/BRAKING……9

FOLDING AND STORAGE……..9

TIRES AND WHEELS……10

MAINTENANCE……..11

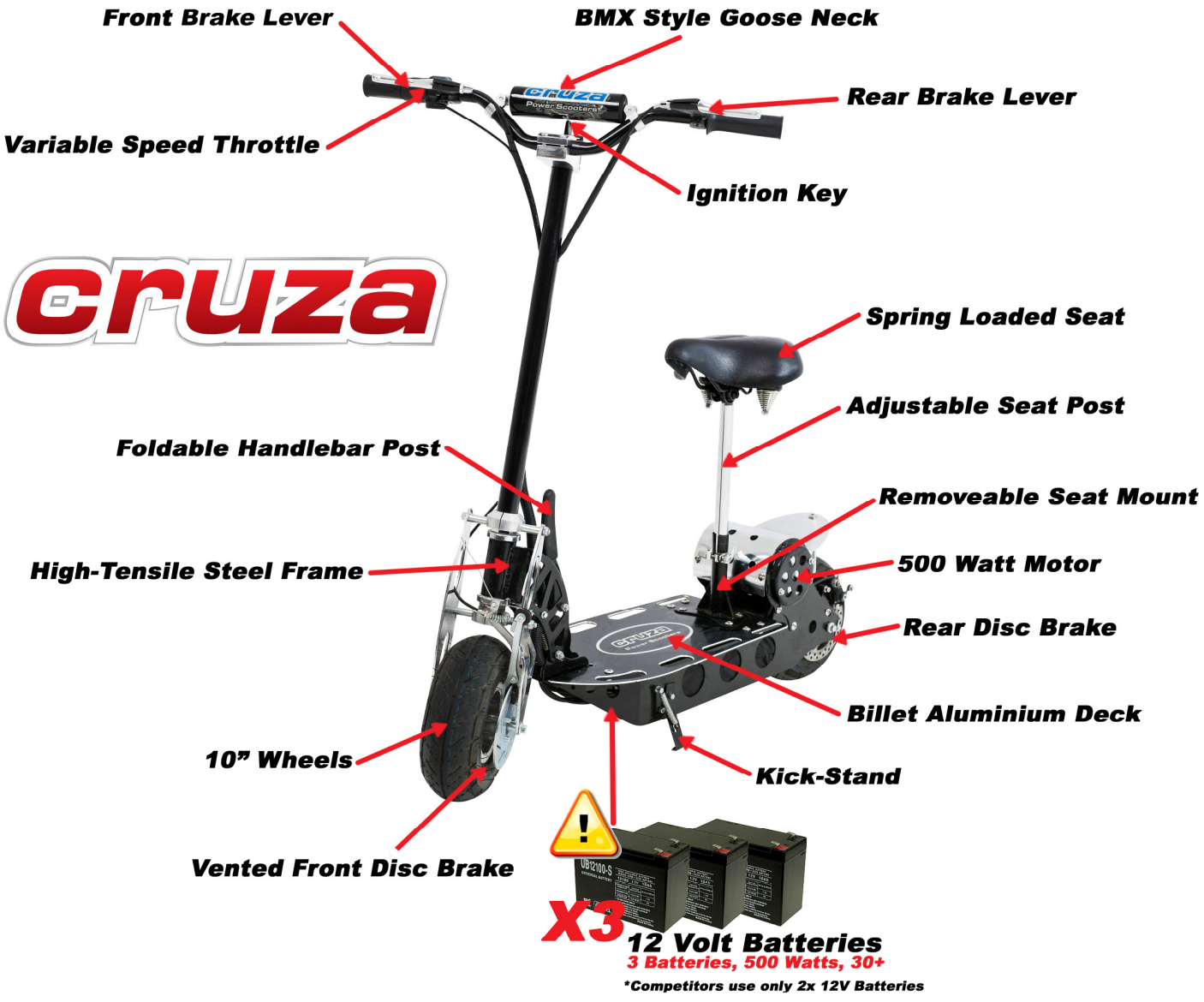
- RECOMMENDED TOOLS……...11
- ADJUSTING THE HEAD UNIT……11
- ADJUSTING THE CHAIN…..……12

MAINTENANCE SCHEDULE……..……..13

OTHER QUESTIONS…..……..13

GENERAL INFORMATION/TECH SUPPORT……14

GETTING TO KNOW YOUR CRUZA XR500



PACKAGE CONTENTS

Your Cruza XR500 comes with the following items in the box. Please locate all of the following:

1. The Cruza XR500 Scooter
2. 36V Battery Charger
3. Tool Kit
4. 20amp Fuse(s)
5. Product Handbook
6. Seat & Seat Post

GETTING STARTED

Please read and understand these instructions and the OPERATING PROCEDURES section, prior to starting or riding your XR500

Fig 1.

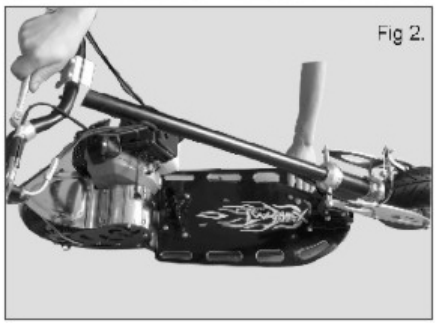


Fig 2.

Assembly

1. Carefully remove the XR500 from the box.

2. To unfold the XR500, begin by pressing down on the FOLDING HANDLE with one hand (Fig.1), while gently pulling up on the handlebars with the other (Fig.2)

3. Fully extend the handlebars to their upright position until you feel the mechanism lock into place (Fig. 3).

4. Attach the handlebars by first attaching the large handlebar clamp to the top of the handlebar down tube. Then attach the handlebars to the clamp. Tighten all bolts after adjusting the handlebars to the desired tilted position. (Fig. 4)

5. The BRAKE LEVER is in the down position for shipping. Using the provided Allen Wrench, loosen the tension bolt, and adjust the levers to a comfortable position. * Be careful not to pull on the cables!

Fig. 3

Fig. 4

Fuse Installation

Your scooter comes with a 20amp fuse that is NOT installed at the factory.
Follow the instructions below to properly install the fuse before attempting to use your scooter.

1. Locate the 20amp glass fuse that came with your scooter.
2. Locate the fuse holder on the right side of the scooter frame under the footplate. (Fig.5)
3. Remove the fuse holder cap and insert the fuse into the cap first.
4. Then insert fuse/cap into fuse holder and gently tighten. DO NOT OVER TIGHTEN THE CAP.

Seat and Seat Post Installation

1. Insert the seat post into the bottom of the seat and tighten securely.
2. Next, insert the seat post into the post receiver that is already attached to the footplate on the scooter and tighten the clamp securely.

Charging

Your scooter comes charged out of the carton. We still recommend charging the unit for 6-8 hours prior to its first use. We also recommend charging your scooter after each use and prior to storage.

WARNING: **Do not** allow your scooter to batteries to run completely flat, as this will damage the batteries.

Fig. 5

Fig. 6

1. Make sure unit is turned off.
2. Open the charging socket cover located on the right side of the scooter frame, under the footplate. (Fig. 5)
3. Locate your Battery Charger. (Fig. 6) Find the charger socket end that has a three-prong socket and plug it into the scooter.
4. Next, plug the AC plug into a wall outlet.

When first plugged in, the charger has two red lights that will illuminate at the same time, indicating that the charging process has started. Once the light on the charger turns green, you may remove the charger and close the safety cap.

Riding

1. Make sure that all of the exposed bolts and screws are tightened.
2. Raise the kickstand to its upright position.
3. Push the on/off switch (located on the left handlebar) to the ON position.
4. Put one foot on the deck of the XR500 while pushing off with the other foot; gently rotate the THROTTLE GRIP, on the right side of the handlebars. The XR500 will begin to move on its own power.

**Your scooter has a variable speed hand throttle. You can control the speed of your scooter by the amount of pressure you use when rotating the hand throttle. The more you rotate, the faster you will go.

Stopping/Braking

1. To brake, release the THROTTLE GRIP and depress the BRAKE LEVERS (on the left/right side of the handlebars. Depressing the brake will disengage power to the motor. When the unit feels like it is losing power or not accelerating to full speed, the scooter is ready to be re-charged.

NOTE: If the on/off switch is left in the ON position for more than 10-15 minutes without moving, Smart Power will shut itself OFF. To reset, turn the unit OFF, wait a few seconds and then switch it back ON again.

Folding & Storage

When you are done riding the XR500 you can fold it down for compact storage and transportation. To fold down the XR500, use one hand to push down on the folding handle while gently pushing down on the handlebars. BE CAREFUL NOT TO HIT YOUR HEAD WITH THE HANDLEBAR. Push down until you feel the mechanism lock into the down position.

BRAKING SYSTEM

The XR500 uses a pinch braking system for the front, and a disc/caliper system for the rear. They are both activated by a hand brake lever on the left and right side of the handlebar. Squeezing the hand brake lever with your left hand activates the rear brake. Squeezing the hand brake lever with your right hand activates the front brake. Make sure to release the HAND THROTTLE GRIP when engaging the brakes.

Practice braking on a smooth, dry surface to get used to the feel of the braking system. Braking distance is affected by wet conditions and loose and uneven riding surfaces.

Adjusting the Brakes

The Brakes on the XR500 should come fully adjusted from the factory.

However, it may be necessary to adjust the brakes from time to time.

Fig. 12

To adjust the rear brakes:

1. With one hand, depress the brake caliper using your thumb and forefinger (Fig.12).
2. With the other hand, adjust the tension screw on the brake line.

    a. Turn the tension screw clockwise to loosen the brake.
    b. Turn the tension screw counterclockwise to tighten brake.

Fig. 13

To adjust the front brakes:

For brakes that are adjusted too tight:
1. Loosen the tension screw on the right hand brake lever by rotating it counter-clockwise until the wheel spins freely.

For brakes that are adjusted too loose:
1. Tighten the tension screw on the right hand brake lever by rotating it clockwise until the wheel has a slight drag.

For further adjustment:
1. Locate the adjustment screw on the front brake assembly (located above the front wheel, Fig. 13) Tighten or loosen as necessary.

Squeaky Brakes

The brakes may squeak before they are broken in. This is normal and will not affect the function or performance of the brakes. With continued use the squeak should go away.

TIRES AND WHEELS

The Cruza XR500 uses an identical rim and tire assembly on the front and rear wheels, which means that the tires can be rotated. The wheels are actually two wheel halves (split rim) bolted together to make it easier to remove and replace the tire and tube.

The rear wheel is fitted with a special spacer to accommodate the chain sprocket, while the front wheel has a bracket for the disc brake.

Tire wear will differ based on rider weight, riding conditions and care. Replacement tires can be obtained at your local Cruza dealer, through motorcycle shops, or from the Cruza website at www.SAscootershop.co.za.

Tire Pressure

The tire must be inflated to a maximum of 32 P.S.I. It is also recommended to use a tube additive like 'slime' available from any motorcycle shop, to avoid inconvenient punctures.

Empty all air from the tire, prior to loosening the bolts to split the rim.

MAINTENANCE

RECOMMENDED TOOLS

To adjust and service the Cruza XR500 you will need the following tools:

- Allen Wrenches: 3/4/5/6 mm
- Wrenches: 10/13/13 mm Open end wrench
- Large Adjustable Crescent Wrench
- Philips Head Screwdrivers
- Oil, Grease or generic lubricant

ADJUSTING THE HANDLEBAR BEARINGS

The handlebars will come adjusted from the factory. However, riding on rough terrain and general use may cause the handlebars to become loose over time. It may be necessary to adjust the handlebar bearings from time to time.

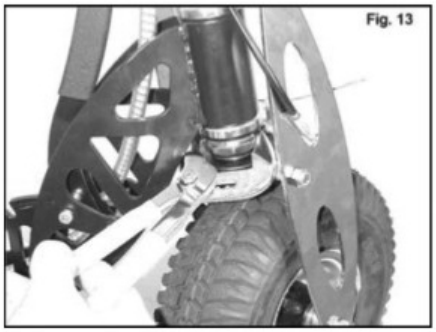


Fig. 13

To adjust the handlebars:

1. Rotate the handle bar as far right as it will go to expose the HEAD UNIT. (See fig left)
2. Using a large adjustable wrench, gently turn the BEARING LOCK clockwise to tighten. *DO NOT OVER TIGHTEN OR IT WILL DAMAGE THE BEARINGS.

ADJUSTING THE CHAIN

The chain will come adjusted from the factory. However, it may be necessary to adjust the chain from time to time. The chain must be well aligned onto the sprockets in order to avoid uneven wear. This will result in shortened chain life.

How tight should the chain be?

- If the chain is skipping or jumping on the sprockets, this is too loose and may be harmful.
- If the chain is making a humming sound when the wheel is turning, this is too tight and may cause the chain to snap.
- The correct tension is achieved by adjusting the chain from its loose position to when it becomes lightly tense.

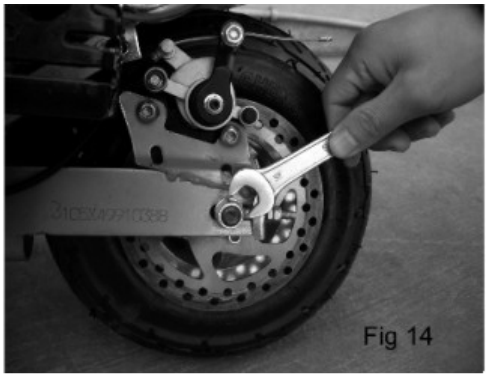


Fig 14

To tighten the chain:

Slightly loosen the two axle bolts on both sides of the rear wheel. (Fig.14). Then slowly adjust the two adjusting screws on each side of the rear tire (Fig.15) until chain reaches the proper tension.

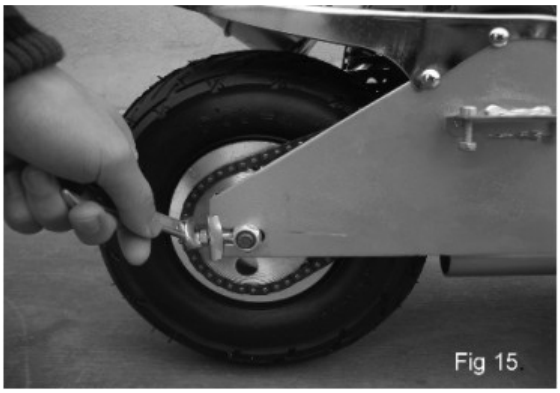


Fig 15.

Rotate the rear wheel to make sure the chain is aligned.
Finally, lock and tighten the rear axle bolts prior to riding.

CARING FOR THE BATTERIES

The XR500 Scooter uses three 12V 12ah sealed lead-acid batteries that are connected in series. To prolong the life of the batteries, there are a few important rules to adhere to.

- Keep your batteries charged at all times – batteries like being charged up, so it is not possible to over-charge them
- Avoid riding your scooter until the batteries are completely flat. Over-draining the batteries can cause permanent damage, and the batteries will no longer be able to hold a charge.
- Avoid storing your scooter for lengthy periods of time when the batteries are flat. The batteries need to be charged at least once a month when the scooter is not in use. If you are planning to store your XR500, make sure the batteries have been fully charged first.
- Water and heat exposure will cause permanent damage to the batteries, as well as the rest of the scooter – so these elements are best avoided.

MAINTENANCE SCHEDULE

Proper care of your Cruza XR500 will ensure optimal performance and longer Life-span. The following are a few maintenance suggestions that will keep your Cruza XR500 running in top condition:

Daily Maintenance

Perform each time you ride your XR500

- Clean the exterior of the unit with a soft, damp rag.
- Check that all nuts and bolts are securely tightened.
- Lubricate the chain with any silicone spray, 3&1 oil or any good clean motor oil.
- Check battery charger for any frayed/cut wires.

OTHER QUESTIONS

For additional questions, service instructions, further information and important phone numbers; please go to the Cruza website at www.SAscootershop.co.za

Thank you for purchasing a Cruza XR500 and please tell your friends how much fun you're having on your scooter!

For General Information or Parts Visit
www.SAscootershop.co.za
For Technical Support or Assistance Visit
www.SAscootershop.co.za